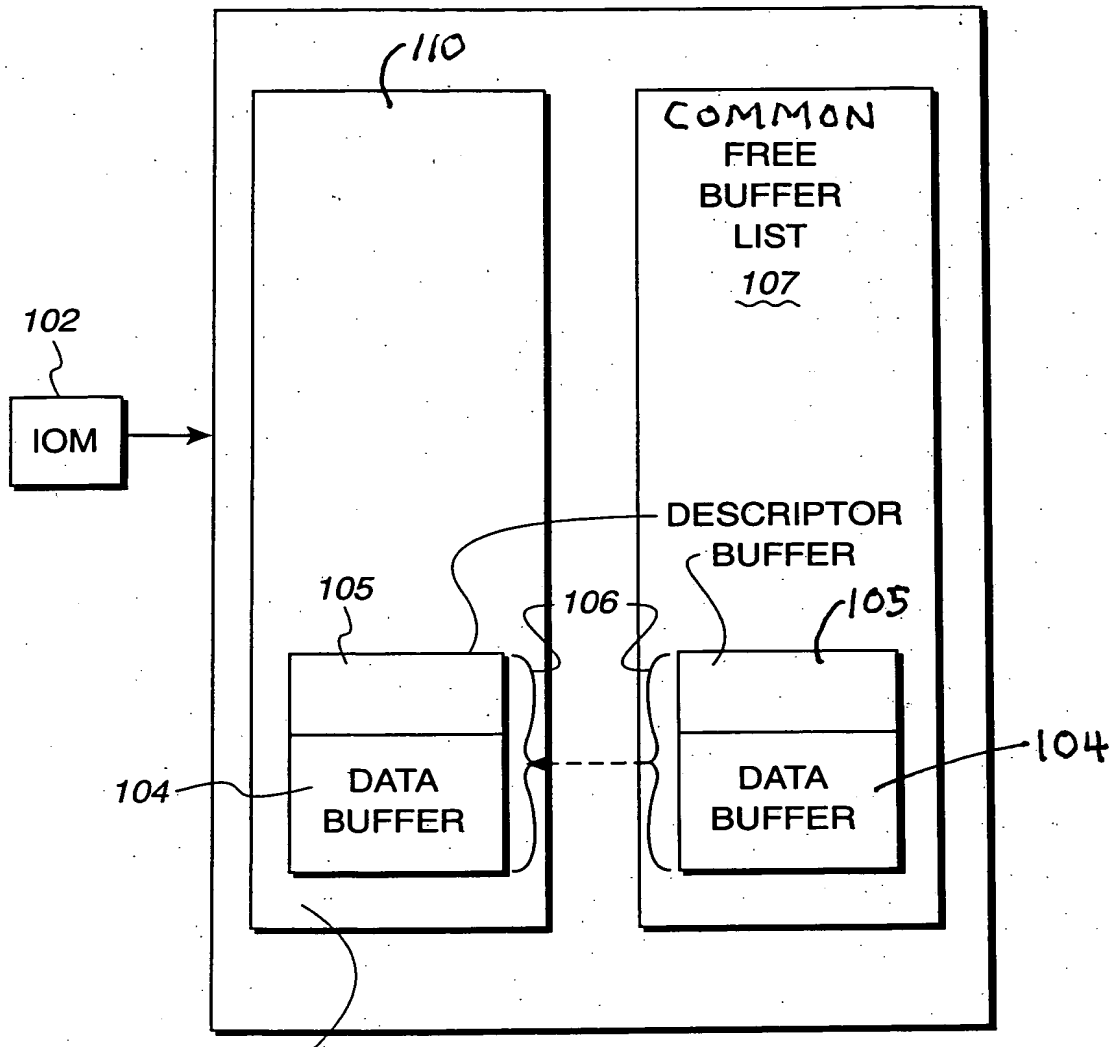
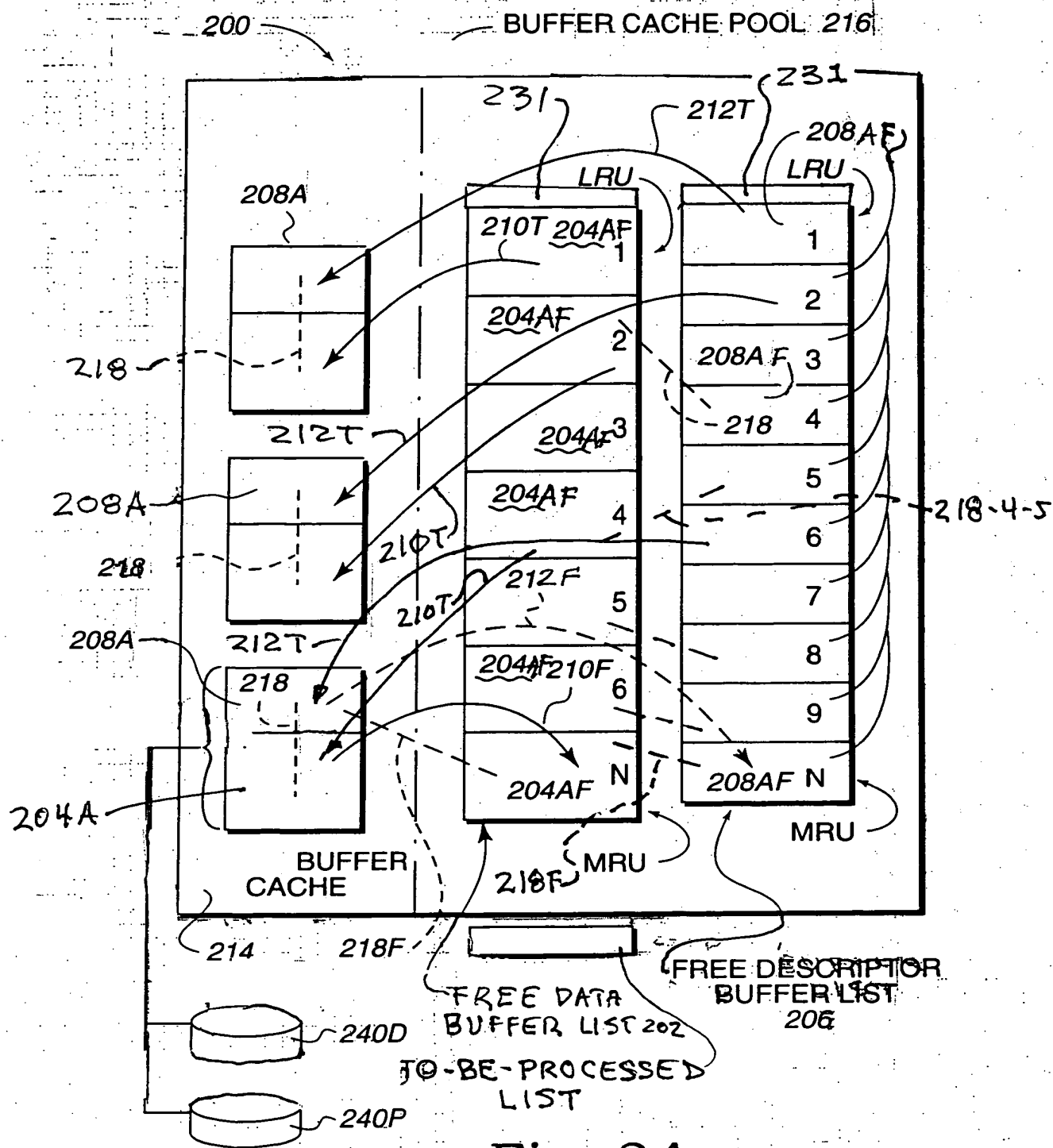


*Fig. 1A*  
(PRIOR ART)



BUFFER  
CACHE

*Fig. 1B*  
(PRIOR ART)



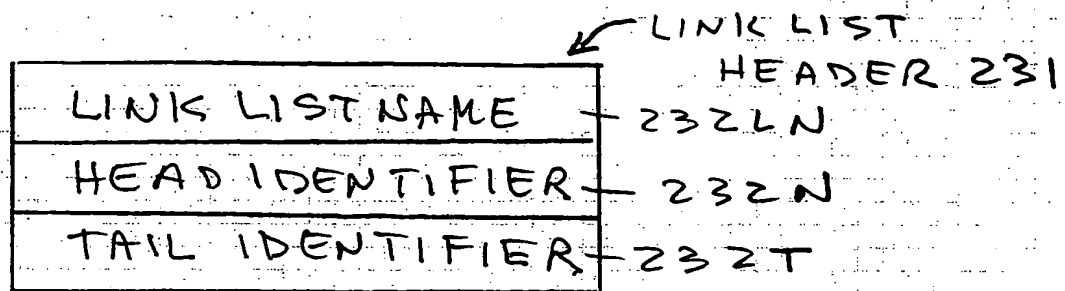


Fig. 2B

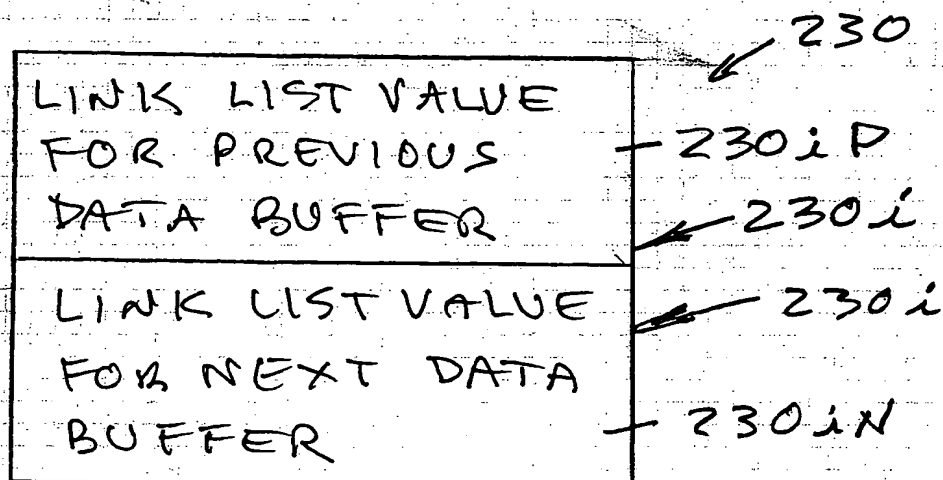


Fig. 2C-1

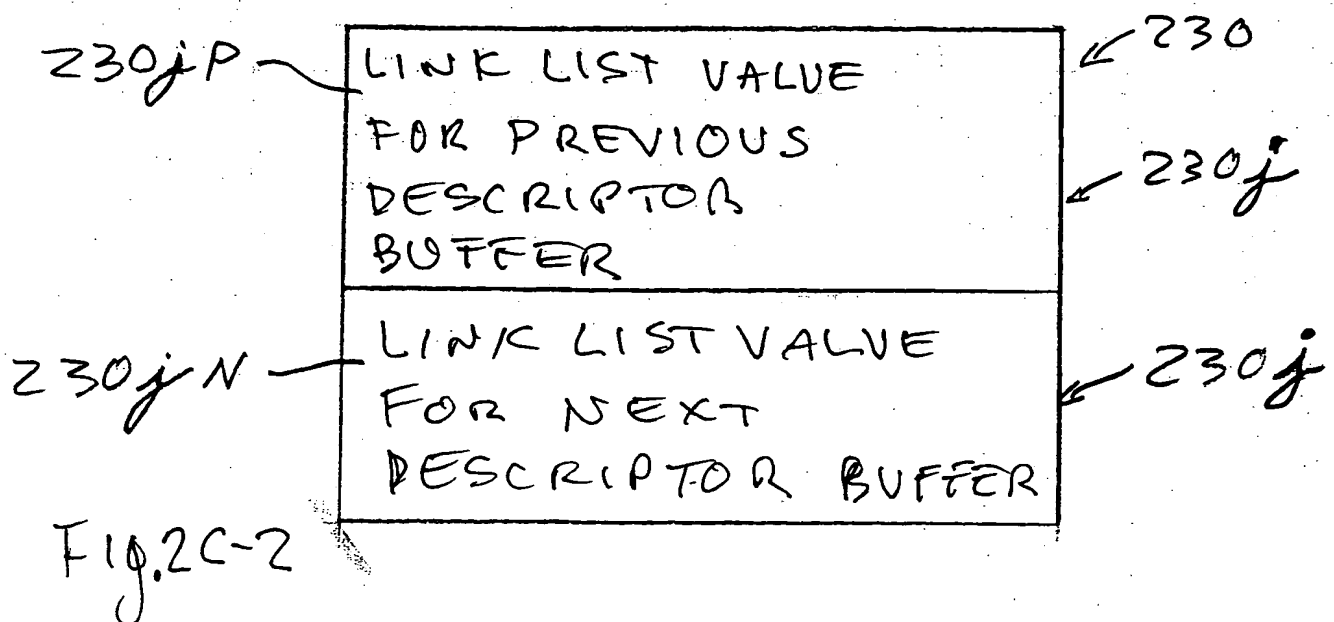


Fig. 2C-2

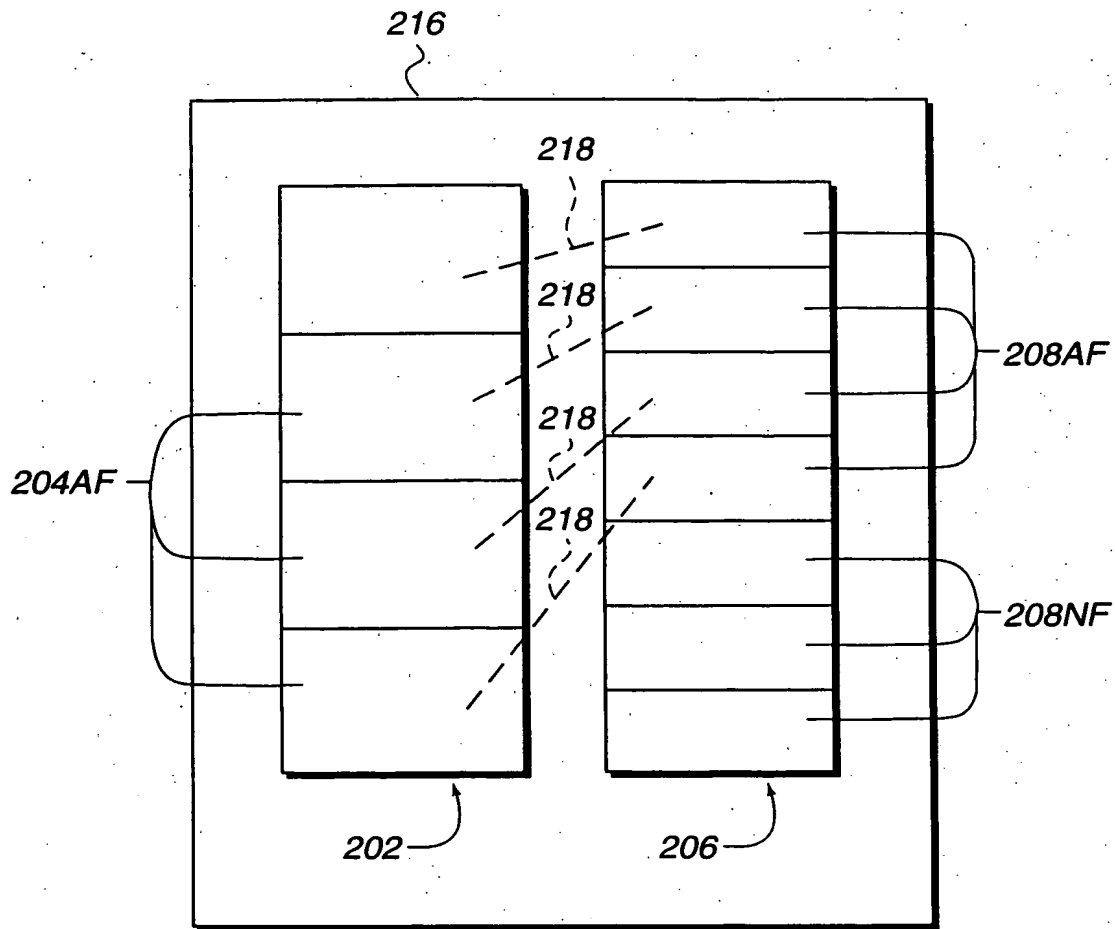


Fig. 2D

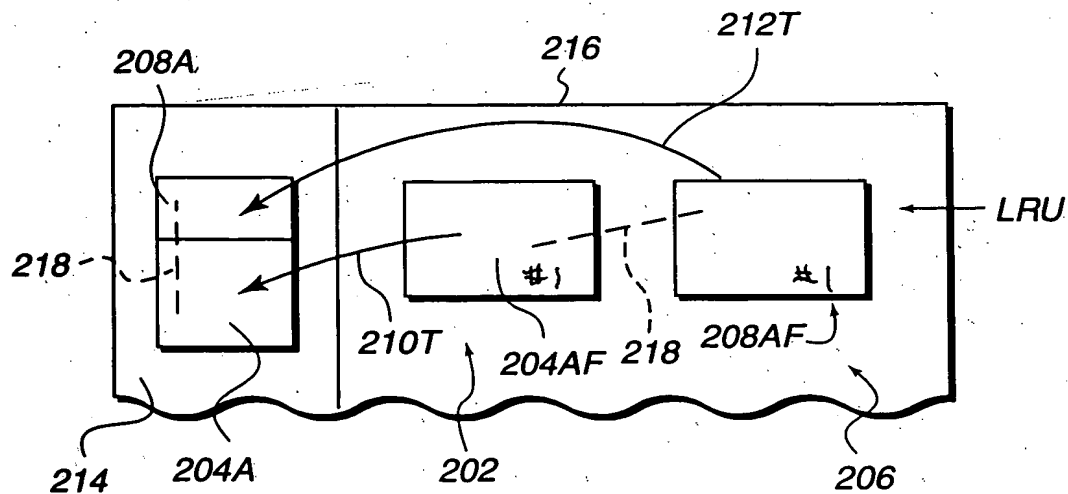


Fig. 2E

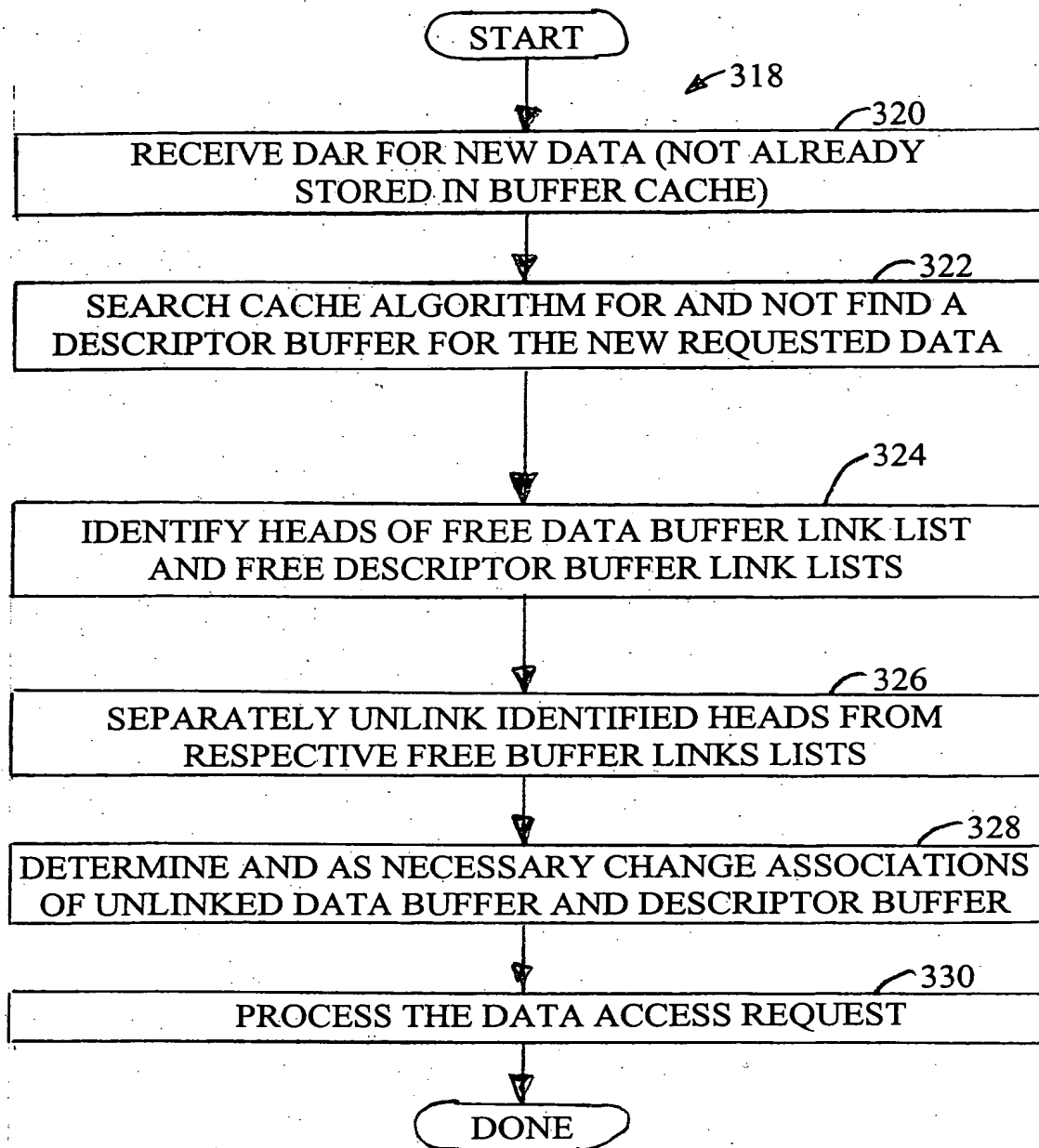


FIGURE 3A

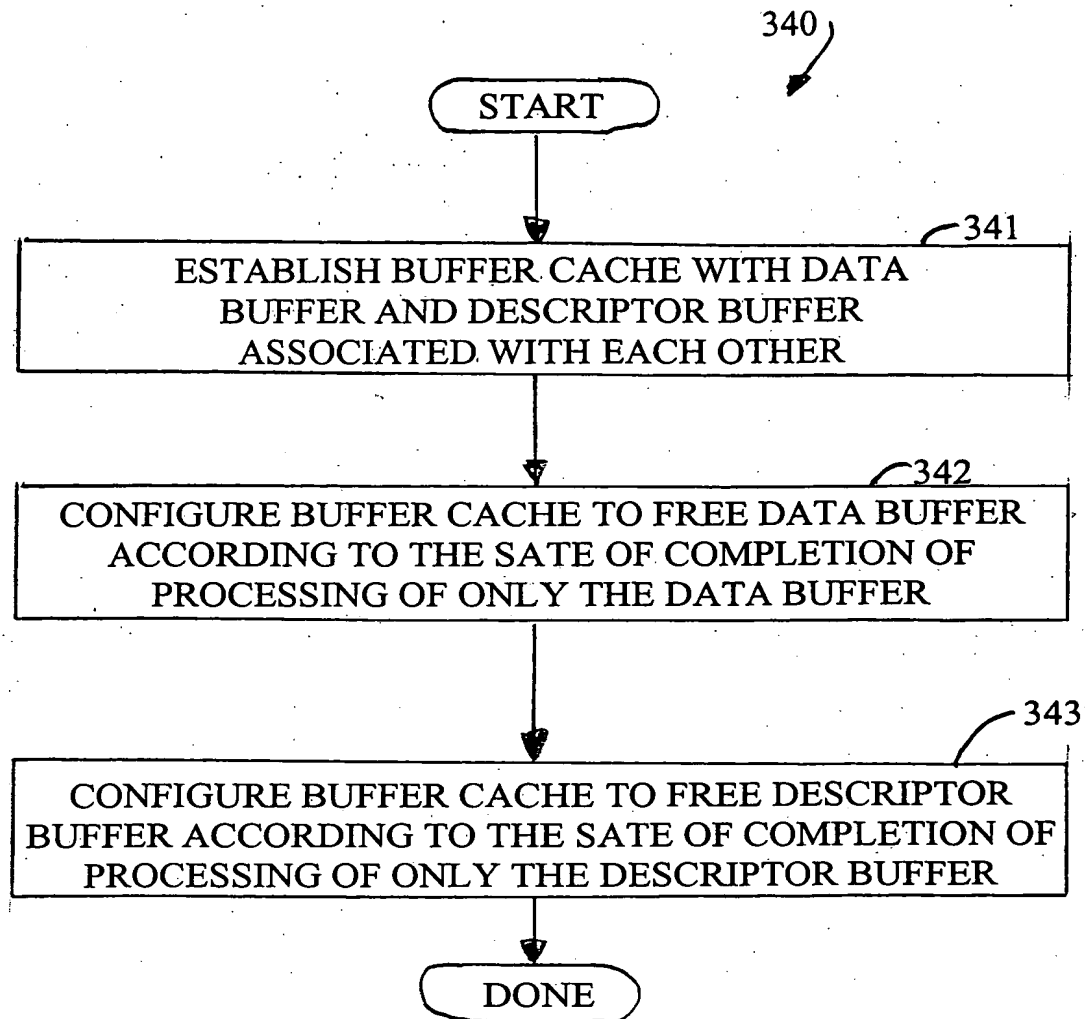


FIGURE 3B

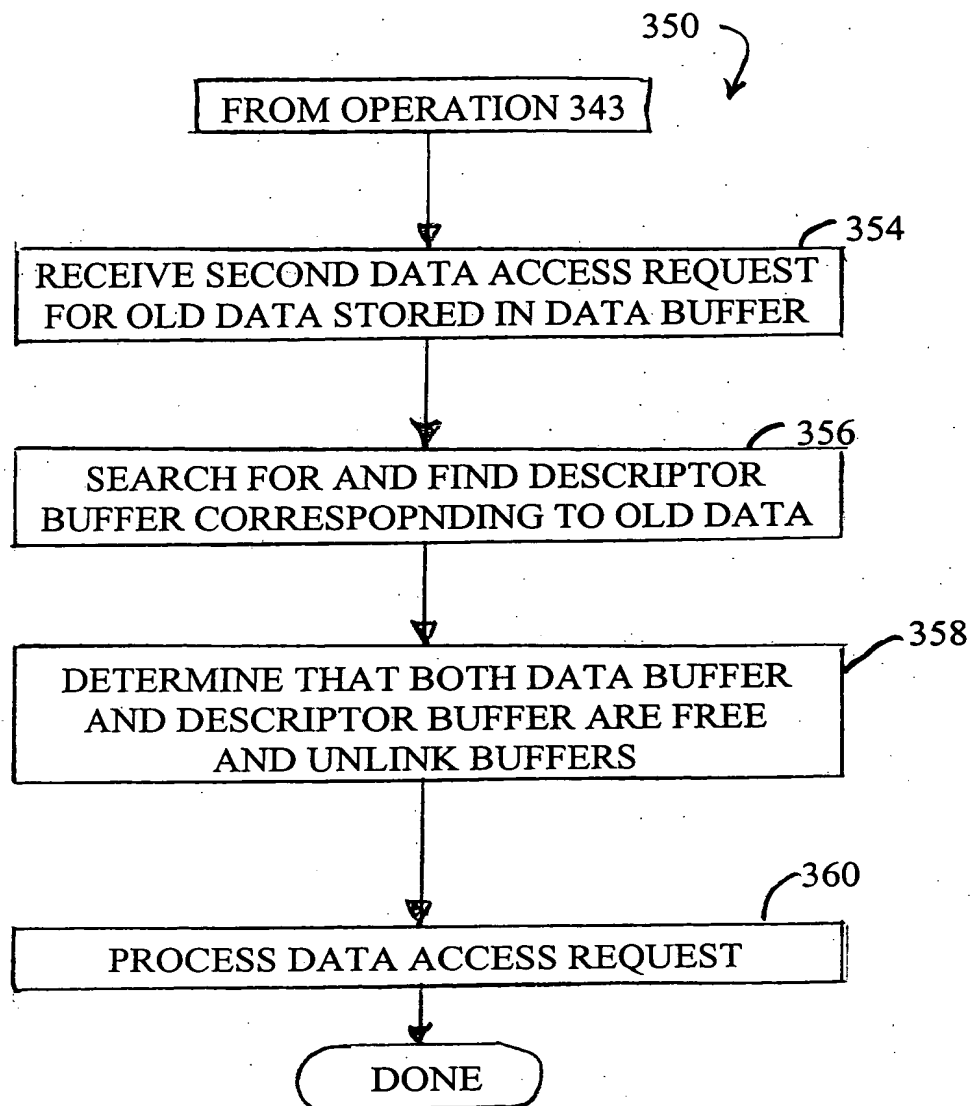


FIGURE 3C



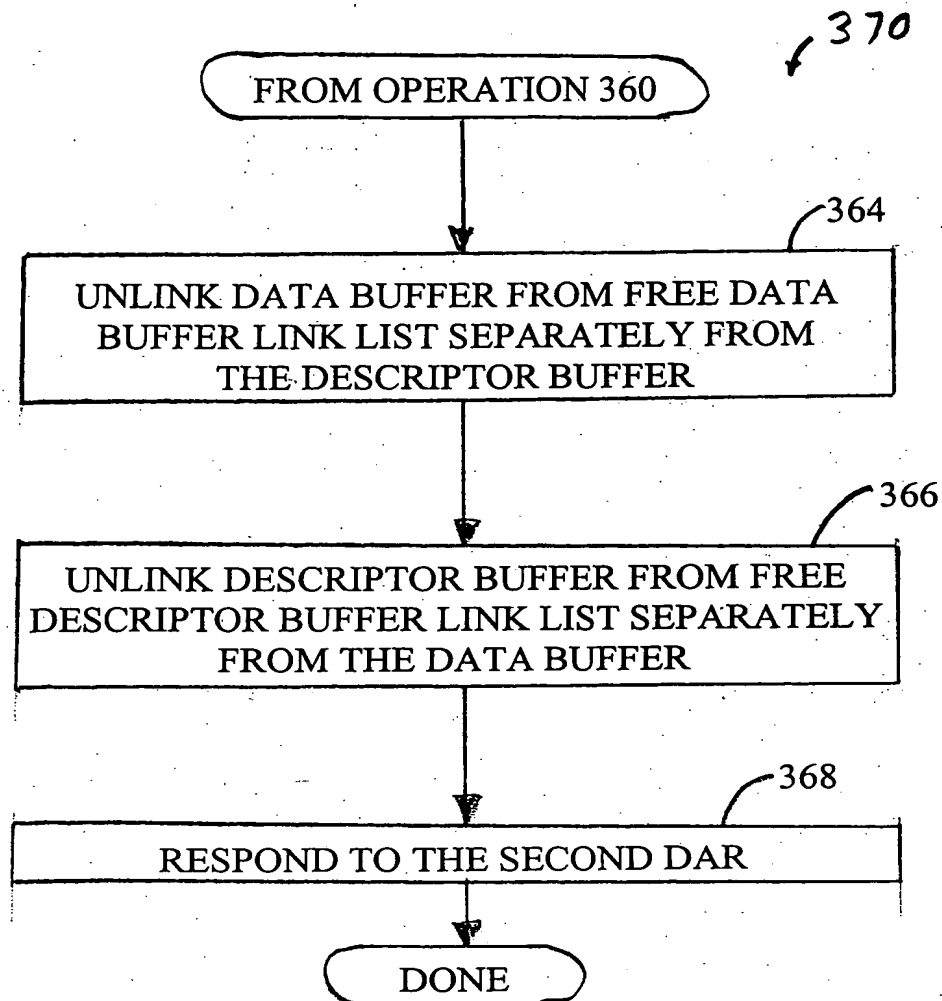


FIGURE 3D

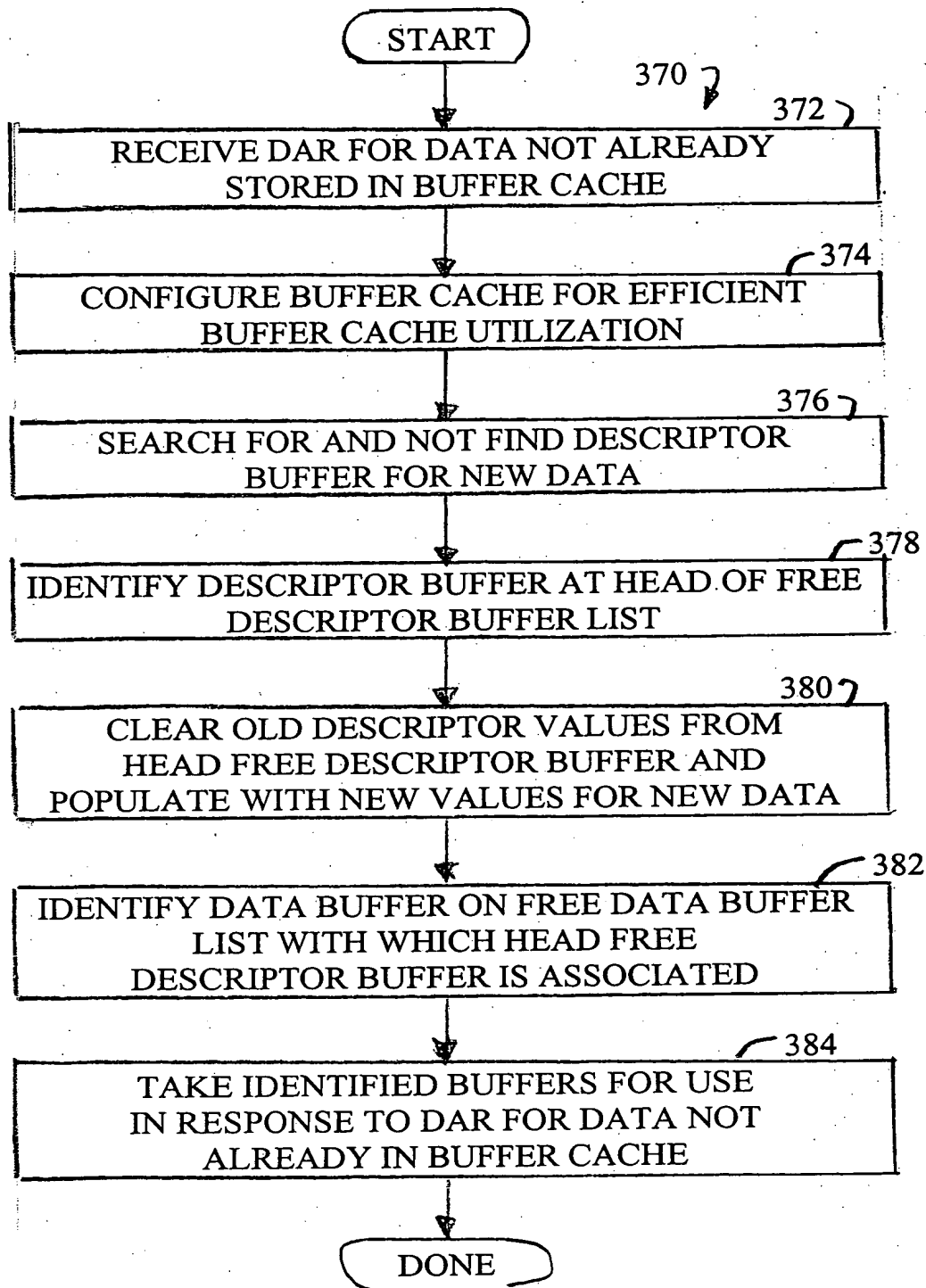
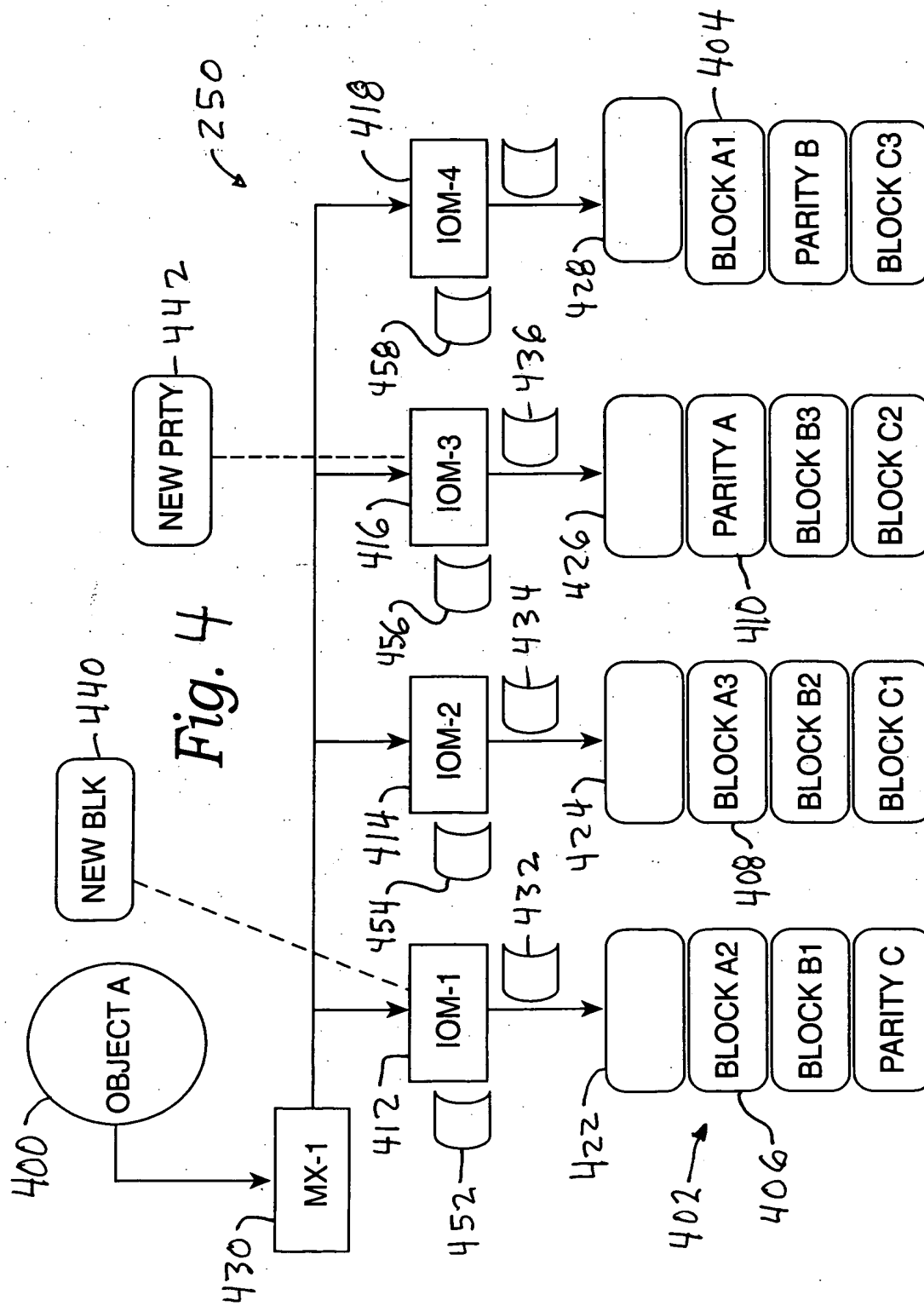


FIGURE 3E



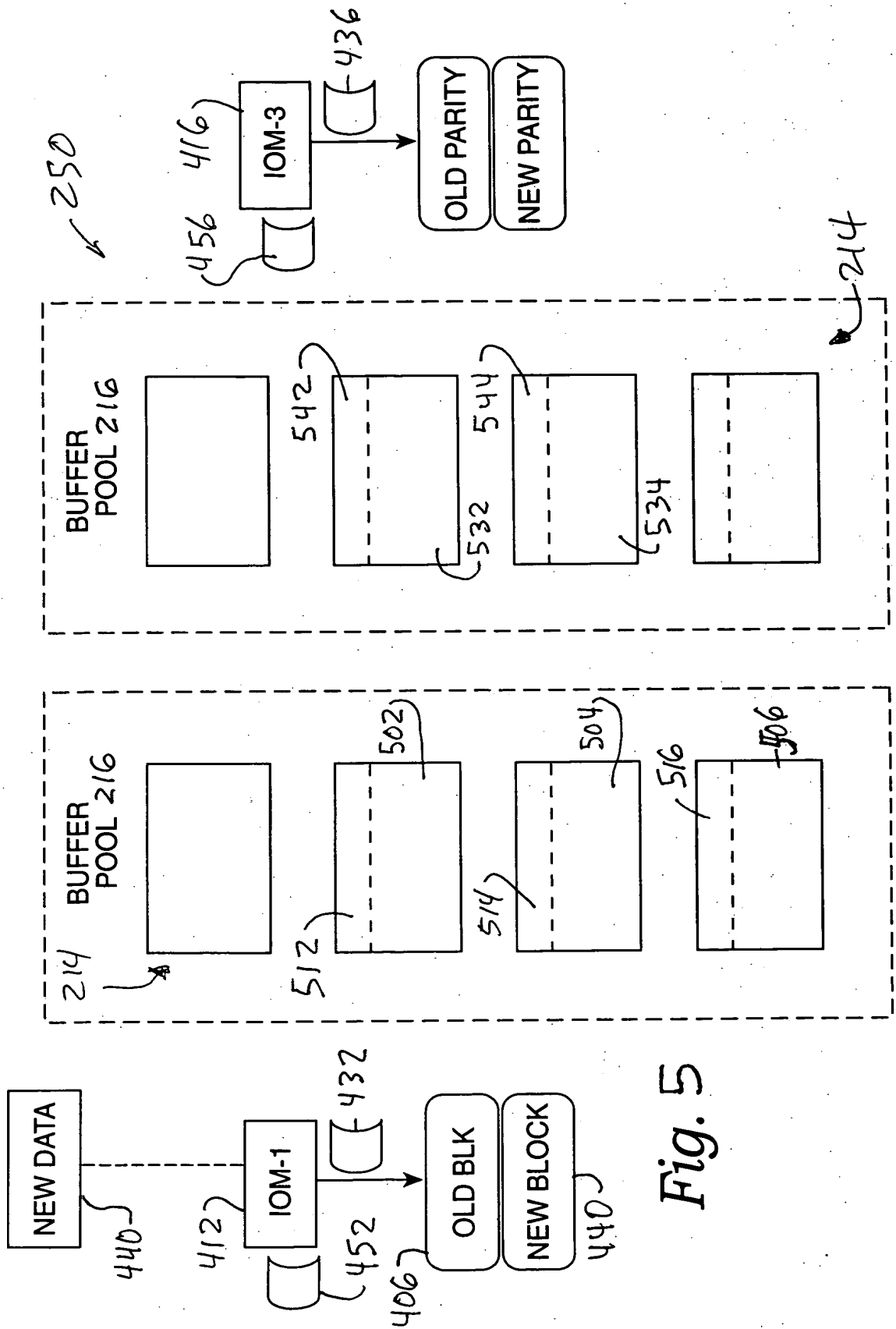


Fig. 5